
1+ Dialing dialing plan implementation for Interchangeable NPA codes

This section provides the procedures necessary to configure new or modify existing dialing plans to use 1+ Dialing with the Interchangeable NPA codes format.

The implementation will show the procedure for implementing the 1+ Dialing dialing plan as recommended by Bellcore for use with the Interchangeable NPA codes.

Interchangeable NPA codes are effective as of July 1, 1995.

Only the service change information is shown here. For a complete discussion of prompts and responses, refer to the *X11 input/out guide*.

While the Interchangeable NPA codes does not require a change to the existing dialing plans, some dialing plan modification may avoid future conflicts due to the Interchangeable NPA format.

Uniform 1+ Dialing dialing plan implementation for Interchangeable NPA codes

Table 17 shows the uniform 1+ Dialing dialing plan that Procedure 3 implements:

Table 17
Dialing plan using 1+ Dialing

Dialing format		Call type
AC1 + 1 + NXX + NXX + XXXX		11 digit public call (NPA)
AC2 + NXX + XXXX		7 digit public call (NXX)
AC1 + NXX + XXXX		7 digit private call (LOC)
Legend:		
AC1	BARS/NARS Access Code 1 (on-net and long distance calls)	
AC2	NARS Access Code 2 (off-net and local calls)	
1	Indicates 10 digit Interchangeable NPA code format to follow.	
N	Digits 2 to 9.	
X	Digits 0 to 9.	

Implementation of this dialing plan requires all NPA codes be entered as four digit codes where the first digit is always “1”. In other words the NPA “345” would be entered as “1345” and the user would have to dial “1345” to access NPA “345”.

The following procedure shows the steps that must be performed to correctly implement 1+ Dialing for Interchangeable NPA codes.

Procedure 3**Implementing 1+ Dialing format for Interchangeable NPA codes**

This example assumes the following routing is used:

- Route calls with NPA = 202, 303, and 888 over route 1 using AC1.
- Route calls with NXX = 987, 876, and 765 over route 2 using AC2.
- Route calls with LOC = 777, 888, and 999 over route 3 using AC1.

Steps:

- 1 Configure ESN data block for 1+ Dialing (LD 90)
- 2 Configure Route List Blocks for 1+Dialing (LD 86)
- 3 Configure Numbering Plan Area codes for 1+ Dialing (LD 90)
- 4 Configure Central Office codes for 1+ Dialing (LD 90)
- 5 Configure Location codes for 1+ Dialing (LD 90)

Step 1

Configure ESN data block for 1+ Dialing (LD 90)

Prompt	Response	Description
REQ	NEW	Request a NEW data block.
CUST	0-99	Customer number
FEAT	ESN	Feature = ESN data block
...		
AC1	6	BARS/NARS Access Code 1 (on-net and long distance calls
AC2	9	NARS Access Code 2 (off-net and local calls)
...		

Step 2

Configure Route List Blocks for 1+Dialing (LD 86)

Prompt	Response	Description
REQ	NEW	Request NEW data block.
CUST	0-99	Customer number
FEAT	RLB	Route List Block data block.
RLI	1	Route List Index 1
ENTR	0	Entry 0 of Route List Index 1
LTER	NO	Local Termination entry
ROUT	1	Route number.
...		

Repeat Step [2](#) for RLI 2 using route 2 and RLI 3 using route 3.

Step 3**Configure Numbering Plan Area codes for 1+ Dialing (LD 90)**

Prompt	Response	Description
REQ	NEW	Request NEW data block.
CUST	0-99	Customer number
FEAT	NET	Network Translator data block.
TRAN	AC1	AC1 Translator data block.
TYPE	NPA	NPA (Number Plan Area code) translation.
NPA	1202	NPA code.
- RLI	1	Route List Index this NPA uses.
- SDDR	<cr>	Supplementary Digit Restriction or Recognition. <cr> indicates the default (NO) is to be used.
NPA	1303	NPA code.
- RLI	1	Route List Index this NPA uses.
- SDDR	<cr>	Supplementary Digit Restriction or Recognition. <cr> indicates the default (NO) is to be used.
NPA	1888	NPA code. If 1+ Dialing were not used, this code would be entered as 888 and conflict with the Location code 888.
- RLI	1	Route List Index this NPA uses.
- SDDR	<cr>	Supplementary Digit Restriction or Recognition. <cr> indicates the default (NO) is to be used.

Step 4

Configure Central Office codes for 1+ Dialing (LD 90)

Prompt	Response	Description
REQ	NEW	Request NEW data block.
CUST	0-99	Customer number
FEAT	NET	Network Translator data block.
TRAN	AC2	AC2 Translator data block.
TYPE	NXX	NXX (Central Office code) translation.
NXX	987	NXX code.
- RLI	2	Route List Index this NXX uses.
- SDDR	<cr>	Supplementary Digit Restriction or Recognition. <cr> indicates the default (NO) is to be used.
NXX	876	NXX code.
- RLI	2	Route List Index this NXX uses.
- SDDR	<cr>	Supplementary Digit Restriction or Recognition. <cr> indicates the default (NO) is to be used.
NXX	765	NXX code.
- RLI	2	Route List Index this NXX uses.
- SDDR	<cr>	Supplementary Digit Restriction or Recognition. <cr> indicates the default (NO) is to be used.

Step 5**Configure Location codes for 1+ Dialing (LD 90)**

Prompt	Response	Description
REQ	NEW	Request NEW data block.
CUST	0-99	Customer number
FEAT	NET	Network Translator data block.
TRAN	AC1	AC1 Translator data block.
TYPE	LOC	LOC (Location Code) translation.
LOC	777	LOC code.
- RLI	3	Route List Index this LOC uses.
- SDDR	<cr>	Supplementary Digit Restriction or Recognition. <cr> indicates the default (NO) is to be used.
LOC	888	LOC code. If 1+ Dialing had not be used for the 888 NPA code, this Location code would have resulted in a dialing conflict.
- RLI	3	Route List Index this LOC uses.
- SDDR	<cr>	Supplementary Digit Restriction or Recognition. <cr> indicates the default (NO) is to be used.
NXX	999	LOC code.
- RLI	3	Route List Index this LOC uses.
- SDDR	<cr>	Supplementary Digit Restriction or Recognition. <cr> indicates the default (NO) is to be used.

